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APPLICANTS
Schneider et al.

FILING DATE
July 15, 1998

GROUP
1619

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
<i>JD</i>	AA	5,149,319	9/22/92	Unger			
<i>JD</i>	AB	5,209,720	5/11/93	Unger			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLIC- ATION DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
<i>JD</i>	BA	WO 89/05160 (PCT DE 988/00751) (Fritzsche)	6/15/89	PCT			X	
<i>JD</i>	BB	DE A 41 27 442 (Gross)	2/18/93	Germany			X	
<i>JD</i>	BC	EP A 131 540 (Rasor & Tickner)	1/16/85	EP			X	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

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AGG	4,235,871	11/25/80	Papahadjopoulos , et al.			
AHH	5,409,688	4/25/95	Quay			
AII	5,393,524	2/28/95	Quay			
AJJ	4,442,843	4/17/84	Rasor			
AKK	4,657,756	4/14/87	Rasor			
ALL	4,681,119	7/21/87	Rasor			
AMM	5,141,738	8/25/92	Rasor			
ANN	5,425,366	6/20/95	Reinhardt			
AOO	5,501,863	3/26/96	Rössling et al.			
APP	5,593,687	1/14/97	Rössling et al.			
AQQ	4,544,545	10/1/85	Ryan			
ARR	4,900,540	2/13/90	Ryan et al.			
ASS	4,224,179	9/23/80	Schneider			
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AUU	5,271,928	12/21/93	Schneider			
AVV	5,380,519	1/10/95	Schneider			
AWW	5,413,774	5/9/95	Schneider			
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AYY	5,531,980	7/2/96	Schneider			
AZZ	5,643,553	7/1/97	Schneider			
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ABBB	5,567,414	10/22/96	Schneider			
ACCC	5,639,443	6/17/97	Schutt et al.			
ADDD	5,195,520	3/23/93	Schlieff			
AEEE	5,380,411	1/10/95	Schlieff			
AFFF	3,968,203	7/6/76	Spitzer			
AGGG	5,425,366	6/20/95	Stein			
AHHH	4,265,251	5/5/81	Tickner			
AIII	4,316,391	2/23/82	Tickner			
AJJJ	4,276,885	7/7/81	Tickner et al.			
AKKK	5,088,499	2/18/92	Unger			
ALLL	5,123,414	6/23/92	Unger			
AMMM	5,874,062	2/23/99	Unger			
ANNN	5,776,429	7/7/98	Unger et al.			
AOOO	5,352,436	10/4/94	Wheatley			
APPP	4,844,882	7/4/89	Widder et al.			
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	BB	EP A 458 745 (Bichon et al.)	11/27/91	EP				

BC	EP 359 246 (Cerny)	3/21/90	EP				
BD	EP 359 246 A3 (Cerny)	3/21/90	EP				
BE	GB 1,044,680 (Dow Chemical)	10/5/66	Great Britain				
BF	WO 84/02838 (Feinstein)	8/2/84	PCT				
BG	WO 89/05160 (PCT DE 988/00751) (Fritsch)	6/15/89	PCT				X
BH	WO 92/05806 (Giddey)	4/16/92	PCT				
BI	WO 92/19273 (EP 0 583 390) (Goldenberg)	11/12/92	PCT				
BJ	DE A 41 27 442 (Gross)	2/18/93	Germany				X
BK	CA 1239092 (Hilman)	7/12/88	CA				
BL	CA 1232837 (Hilman)	2/16/88	CA				
BM	WO 91/12823 (Illum et al.)	9/5/91	PCT				
BN	WO A 92/17212 (EP 0 576 519) (Klaveness)	10/15/92	PCT				
BO	WO 92/17213 (EP 0 576 521) (Klaveness)	10/15/92	PCT				
BP	WO 92/21382 (EP 0 586 524) (Klaveness)	12/10/92	PCT				
BQ	CA 2077383 (EP 0535387) (Krone)	3/4/93	Canada				
BR	WO 93/5819 (EP 0 605 477) (Quay)	4/1/93	PCT				
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AW	WO 91/157 (Schneider)	10/17/91	PCT				
BX	EP A 554 213 (Schneider)	4/8/93	EP				
BY	WO-A-85/02772 (Schroder)	7/4/85	PCT				
BZ	NZ 253115 (Stein)	1/26/96	New Zealand				
BAA	WO 92/18164 (Sutton)	10/29/92	PCT				
BBB	WO-A-80/2365 (Tickner et al.)	11/13/80	PCT				
BCC	WO 91/09629 (Unger)	7/11/91	PCT				
BDD	WO 92/22247 (Unger)	12/23/92	PCT				
BEE	WO 92/17514 (Unger)	10/15/92	PCT				
BFF	WO 93/06869 (Vanderipe)	4/15/93	PCT				
BGG	EP A 324 938 (Widder et al.)	7/26/89	EP				

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CA	Biochemistry/Ed. Stryer - 2 Ed., San Francisco, Freeman, pp. 208-09 (1981)
CB	Concise Encyclopedia Of Polymer Sci. and Engin., Wiley, pp. 12-13 (1990)
CC	Encyclopedia of Polymer Science and Engineering, 2nd ed., 10, p. 95, Wiley & Sons, 1987)
CD	Encyclopedia of Polymer Science and Engineering, pp. 164-69, Wiley & Sons, 1985
CE	"Freon" Fluorocarbons Properties and Applications," <u>DuPont Technical Bulletin</u> , pp. 1-11 (1964)
CF	"Freon" <u>DuPont Technical Bulletin</u> , pp. 1-10 (1987)
CG	Gas Encyclopedia, Elsevier Publisher (1976), CCIF3
CH	Handbook of Pharmaceutical Excipients: Am. Pharm. Ass. 181-183 (1986)
CI	"Lecithin" in Rompp Chemie Kexikon, p. 2474 (1989-92)
CJ	"Lecithin" in Blakiston's Gould Medical Dictionary, 4th Ed., N.Y., McGraw-Hill., p. 749 (1979)
CK	"Lecithin" in Dorland's Illustrated Medical Dictionary, 26 Ed., Philadelphia, Saunders, p. 721 (1981)
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CM	Barnhart et al., <u>Invest. Radiol</u> , 25, 162-164 (1990) "Characterics of Albunex"
CN	Benita et al., <u>Journal of Pharmaceutical Science</u> , 73, pp. 1721-1724 (1984) "Characterization of Drug Loaded Polydilactide Microspheres"
CO	Bleeker, et al., <u>J. Acoust. Soc. Am.</u> , 87 (4), Apr. 1990, pp. 1792-1797, "Ultrasonic characterization of Albunex®..."
CP	Bleeker, et al., 1990 <u>J. Ultrasound Med.</u> , 9:461-471, (1999), "On the Application of Ultrasonic Contrast Agents..."

Q	CQ	Bommer et al., Abstract of the 54 Scient. Sessions, <u>Circulation</u> <u>64</u> , - 203, Abst. 770 (1981)
Q	CR	Crommelin et al., <u>Pharm. Res.</u> , pp. 159-163 (1984) "Stability of Liposomes on Storage ..."
Q	CS	Crommelin et al., <u>Liposomes as Drugs Carriers Symp.</u> , pp. 88-93 (1986) "Freezing and Freeze Drying of Liposomes"
Q	CT	de Gruyter, "Phospholipids", <u>Concise Encyclopedia of Biochemistry</u> , Berlin, pp. 348-49 (1983)
Q	CU	deJong, et al., <u>Ultrasonics</u> , 1992, Vol. 30, No. 2, pp. 95-103, "Absorption and scatter of encapsulated gas filled microspheres ..."
Q	CV	deJong, et al., <u>Ultrasonics</u> , 1991, Vol. 29 Jul., pp. 324-330, "Principles and recent developments in ultrasound"
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Q	CX	Epstein, et al., <u>J. Chem. Physics</u> , Vol. 18, No. 11, pp. 1505-1509, Nov. 1950, "On the Stability of Gas Bubbles in Liquid-Gas Solutions"
Q	CY	Feinstein, et al., <u>JACC</u> , Vol. 16, No. 2, 8/90:316-24, "Safety and Efficacy of a New Transpulmonary Ultrasound Agent...", <u>Amer. Hearts Assn. Monograph Circulation</u> , Part II, Vol. 72, No. 4, Oct. 1985, Abstracts of the 58 th Scientific Ses.
Q	CZ	Feinstein, et al., <u>Am. J. of Physiologic Imaging</u> , 1:12-18 (1986), "Myocardial Contrast Echocardiography ..."
Q	CAA	Feinstein, <u>J. of the Amer. Coll. of Cardiol.</u> , 8:251-253 (1986) "Myocardial Perfusion Imaging ..."
Q	CBB	H. Fessi, et al., "Nanocapsule formation by interfacial polymer deposition...", <u>Int. J. Pharm.</u> , 1989, Vol. 55, No. 1, pp. R1-R4
Q	CCC	Fieser and Fieser, <u>Organic Chemistry</u> , 3rd ed. (1956) p. 847
Q	CDD	Fobbe, et al., <u>Fortschr. Rontgenstr.</u> , 154.3 (1991) 242-245, "Farbkodierte Duplexsonographische und Ultraschallkontrast mittel ..."
Q	CEE	Ganguly et al., "Structure of hollow polystyrene microspheres..." <u>J. Microencapsulation</u> , Vol. 6, No. 2, 193-198 (1989)
Q	CFE	Gardner, et al., (1988), "A Survey of Intraocular Gas Use in North America," <u>Arch. Ophthalmol.</u> , 106:1188-1189
Q	CGG	Goldberg et al., <u>Radiology</u> , 177, pp. 713-7 (1990) "Hepatic Tumors ..."
Q	CHH	Helzel, <u>Fortschr. Rontgenstr.</u> , 140, pp. 337-340 (1984) "Erste Erfahrungen ..."
Q	CII	Henry-Michelland et al., <u>Colloids and Surfaces</u> , 14, pp. 269-276 (1985) "Lyophilization and Rehydration of Liposomes"
Q	CJJ	Jacobs, "Intraocular gas measurement using A-scan ultrasound," <u>Current Eye Research</u> , Vol. 5, No. 8, 1986, pp. 575-578
Q	CKK	Keller et al, <u>Circulation Res</u> , 65, 458-467 (1989) "The Behavior of Sonicated Albumin ..."
Q	CLL	Krause et al., <u>International Journal of Pharmaceutics.</u> , 27, pp. 145-155 (1985) "Polylactic acid nanoparticle. ..."
Q	CMM	Levene et al, <u>J. Acoust. Soc. Am.</u> , 87 (Suppl) 69 (1990) "Characterization of Albunex ..."
Q	CNN	Lincoff, et al., "Intravitreal Longevity of Three Perfluorocarbon Cases, <u>Arch. Ophthalmology</u> , 98:1610-1611 (1980)
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P	CRR	K. Makino, "Preparation and in vivo degradation properties...", <u>Chem. Pharm. Bull.</u> , (1985), Vol. 33, No. 3, pp. 1195-1201
V	CSS	Mattrey et al., <u>Radiology</u> , 148, pp. 759-762 (Dec. 1982) "UHM Sound; Perfluorooctyl bromide ..."
E	CTT	<u>Chem Abs.</u> , Vol. 102. No. 3, 21 (Jan. 1985), Maynard et al., "Ultrasonic absorption by liposomes"
A	CUU	Meltzer, et al., <u>Ultrasound in Med. & Biol.</u> , Vol. 7, No. 4, pp. 377-384, 1981, "Transmission of Ultrasonic Contrast Through the Lungs"
D	CVV	Miller et al., <u>J. Amer. Soc. Anesthesiol.</u> , 36 339-351 (1971) "Physicochemical Approaches ..."
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A	CYY	Nomura, et al., "US Contrast Enhancement of Hepatic Tumor with Helium Gas Microbubbles: A Preliminary Report," <u>Jpn. J. Med. Ultrasonics</u> , Vol. 18, No. 5, 1991, pp. 444-450
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Φ	CCCC	Ostro in <u>Spektrum d. Wiss</u> , 94-95, 98 (Marz 1987). "Liposomen ..."
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Φ	CHHH	Rompp Lex. Chemie. 8 Aufl. Stuttgart: Franckh; Bd. Z: Cm-G, (1981): Bd 3; H-L, (1983); Bd 4, M-Pk (1985) "Porositat"
Φ	CHH	Rompps Chemie Lexikon, "Phospholipide"
	CJJJ	Schlieff, <u>Current Opinion in Radiology</u> , 1993, 3:198-207, "Ultrasound Contrast Agents"
Φ	CKKK	Schneider, et al., <u>Investigative Radiol.</u> , 26(1), pp. S190-91 (1991) "A New Ultrasound Contrast Agent Based on Biodegradable Polymers Microballoon"
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Φ	CNNN	Szoka et al, <u>PNAS</u> 75, pp. 4194-4198 (Sept. 1978) "Procedure for preparation of Liposomes ..."

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COOO	Tomlinson et al. J. Pharm. Tech. & Prod. Mfr., 2, p. 49-57 (1983) "Microsphere Delivery Systems ..."
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citation if not in conformance and not considered. Include copy of this form with next communication to applicant.